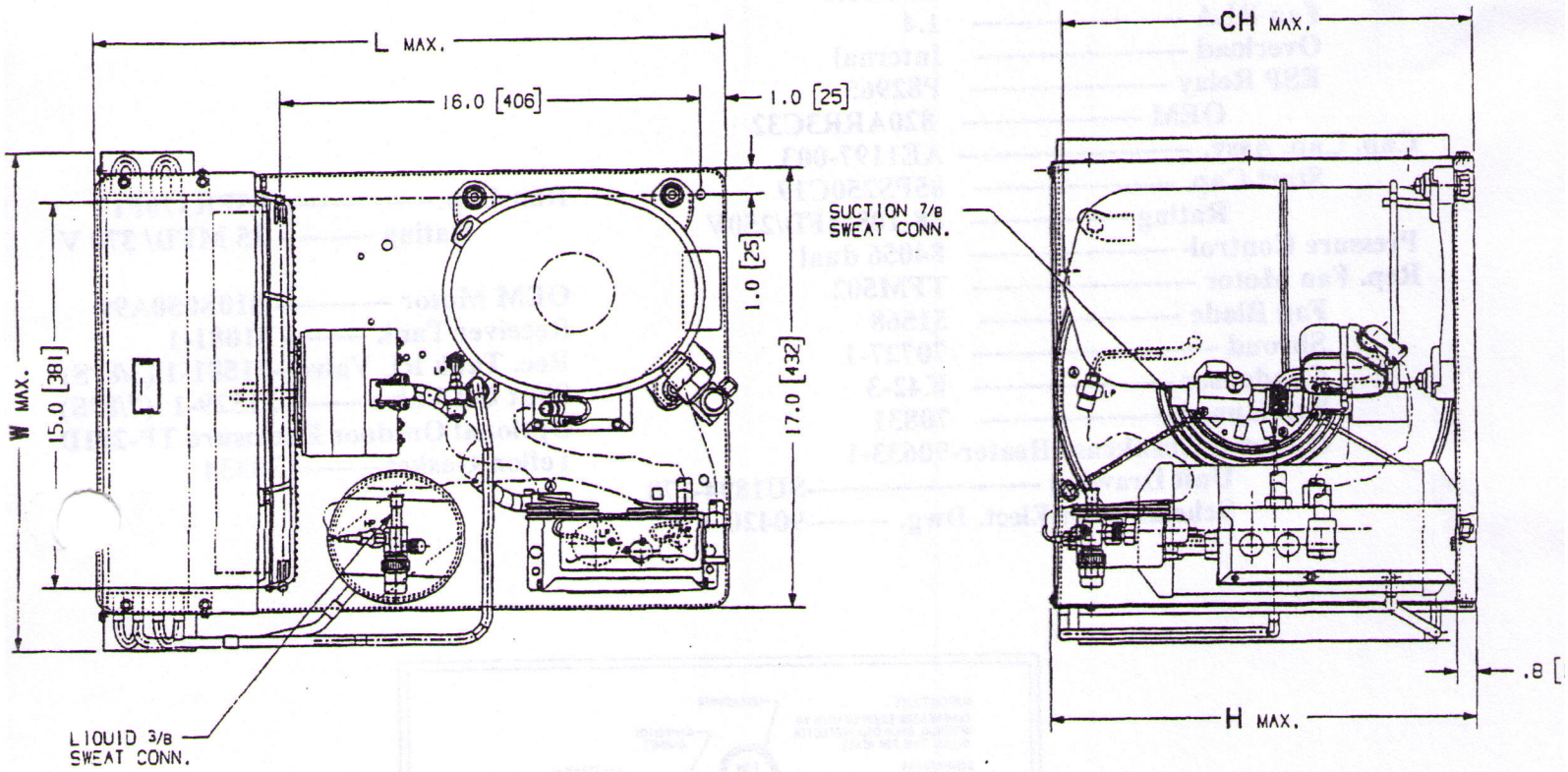
AHA7514AXDXC

TECUMSEH HERMETIC CONDENSING UNITS

March 10, 2000

Rev 2/2001

MODEL AHA7514AXDXC (B/M 2B3234-49) R-12 1 3/4 HP AIR COOLED



NOTE DIMENSIONS = INCHES (MILLIMETERS)

AB

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AHA7514AXDXC	24.9	19.4	16.2	15.6	7/8 S	3/8 F	13.0#	1125	55	138

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - MUST BE EVACUATED 60 HZ Performance

Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-10	4.5	7500	1530	114	6400	1580	134	5400	1630	154
0	9.2	9500	1740	135	8400	1800	155	7400	1850	175
+10	14.6	11500	1980	153	10500	2030	173	9500	2080	193
20	21.0	14000	2230	166	12800	2290	185	11900	2340	206
30	28.5	16800	2530	173	15600	2580	191	14600	2640	213

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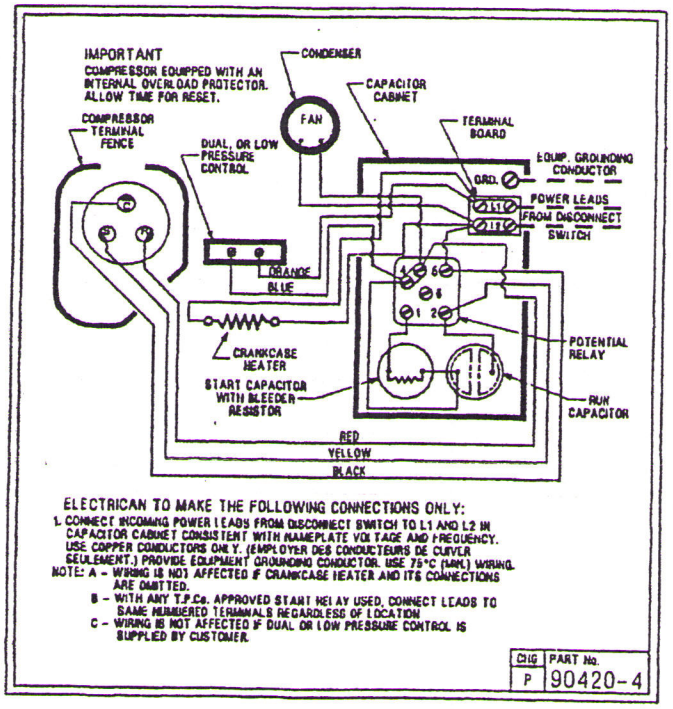
SPECIFICATIONS	AHA7514AXDXC
Nominal Voltage	208/230-1
Unit B/M	2B3234-49
Voltage Range	253 to 187
Min. Circuit Ampacity	15.8
Max. Fuse Size (Amps)	25
Compressor Model	AHA7514AXD
Bill of Material	AH333EF-505
RLA/LRA	11.4/60.0
Fan RLA	1.4
Overload	Internal
ESP Relay	P82965
OEM	820ARR3C32
Cap. Cab. Assy.	AE1197-003
Start Cap.	85PS250C19
Rating	88-108MFD/250V
Pressure Control	84056 dual
Rep. Fan Motor	TFM502
Fan Blade	51568
Shroud	70727-1
Condenser	K42-3
Fan Guard	70831
Optional Crankcase Heater	90633-1
Unit Drawing	SU1894-178
Schematic or Elect. Dwg.	90420-4

Run Cap. ---------- 85PR370F17
Rating --------- 35 MFD/ 370 V

OEM Motor ---------- 810S050A99
Receiver Tank -------- 51081-1
Rec. Tank RL Valve –31581-1 (3/8"S)
Shut Off Valve ------- 31529-1 (7/8"S)
Optional Outdoor Enclosure TP-201D
Teflon Gasket -------- 30334


IMPORTANT
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
CONDENSER
CAPACITOR CABINET
FAN
COMPRESSOR TERMINAL FENCE
DUAL, OR LOW PRESSURE CONTROL
TERMINAL BOARD
EQUIP. GROUNDING CONDUCTOR
GRD.
L1
L2
POWER LEADS FROM DISCONNECT SWITCH
ORANGE
BLUE
5
S
1
2
CRANKCASE HEATER
START CAPACITOR WITH BLEEDER RESISTOR
POTENTIAL RELAY
RUN CAPACITOR
RED
YELLOW
BLACK
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1 AND L2 IN CAPACITOR CABINET CONSISTENT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
NOTE: A – WIRING IS NOT AFFECTED IF CRANKCASE HEATER AND ITS CONNECTIONS ARE OMITTED.
B – WITH ANY T.P.Co. APPROVED START RELAY USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION
C – WIRING IS NOT AFFECTED IF DUAL OR LOW PRESSURE CONTROL IS SUPPLIED BY CUSTOMER.
CHG
PART No.
P
90420-4